Waterproof Power Connectors



Features
- Protection Rating: IP68
- Gold-plated contacts, corrosion-resistant and low resistance.
- Flame-retardant housing, impact-resistant and weatherproof.

Characteristics
- Contact pins are turned from solid material

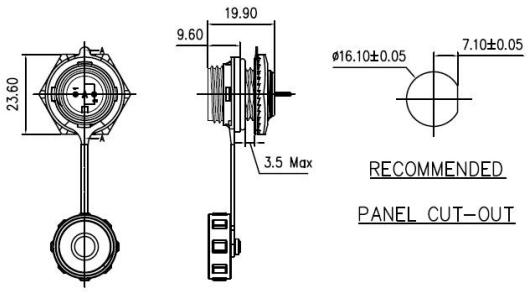
Weblinks
Dimension Drawing、Detailed request for product

Technical Data

CWAS-PMTS-G02S-B(A)



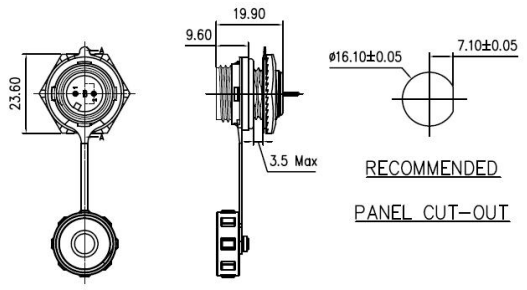
- ◆ Type：Female
- ◆ Number of Contacts：2 contacts
- ◆ Locking Mechanism：Screw locking ring
- ◆ Mounting Type: Front Panel Mount
- ◆ Note：
  Contacts supplied Separately
  Available lanyard colors: black, blue, and natural (Translucent).



CWAS-PMTS-G02S-B(B)



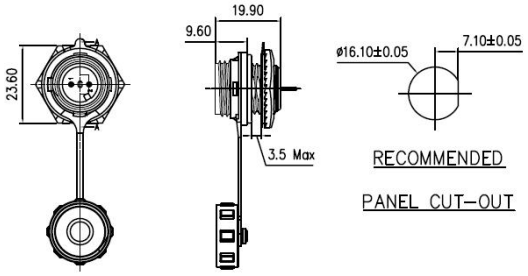
- ◆ Type：Female
- ◆ Number of Contacts：2 contacts
- ◆ Locking Mechanism：Screw locking ring
- ◆ Mounting Type: Front Panel Mount
- ◆ Note：
  Contacts supplied Separately
  Available lanyard colors: black, blue, and natural (Translucent).



CWAS-PMTS-G02S-B(C)



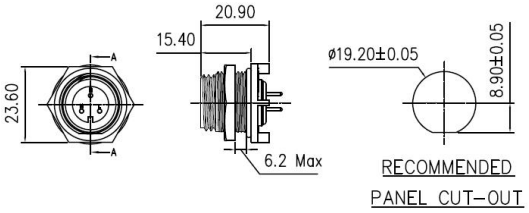
- Type：Female
- Number of Contacts：2 contacts
- Locking Mechanism：Screw locking ring
- Mounting Type: Front Panel Mount
- Note：
  Contacts supplied Separately
  Available lanyard colors: black, blue, and natural (Translucent).



CWAS-PMTS-G03P



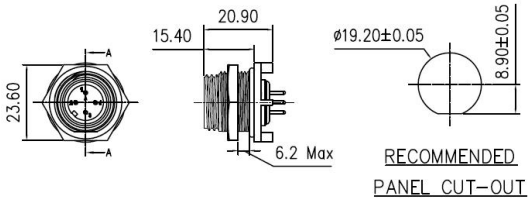
- Type：Male
- Number of Contacts：3 contacts
- Locking Mechanism：Screw locking ring
- Mounting Type: PCB Mount Receptacle
- Note：Contacts supplied separately



CWAS-PMTS-G04S



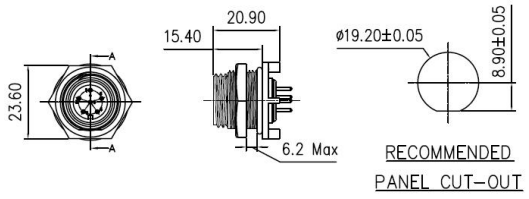
- Type：Female
- Number of Contacts：4 contacts
- Locking Mechanism：Screw locking ring
- Mounting Type: PCB Mount Receptacle
- Note：Contacts supplied separately



CWAS-PMTS-G06S



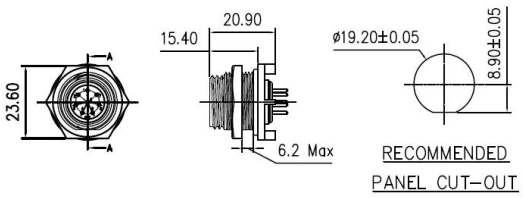
- Type：Female
- Number of Contacts：6 contacts
- Locking Mechanism：Screw locking ring
- Mounting Type: PCB Mount Receptacle
- Note：Contacts supplied separately



CWAS-PMTS-G08S



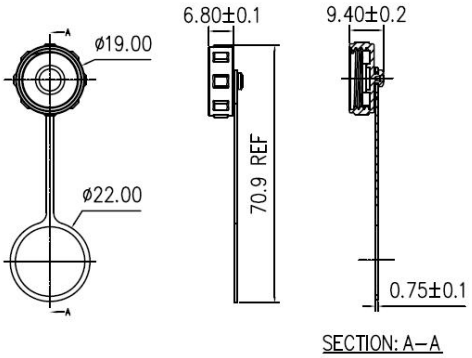
- Type：Female
- Number of Contacts：8 contacts
- Locking Mechanism：Screw locking ring
- Mounting Type: PCB Mount Receptacle
- Note：Contacts supplied separately



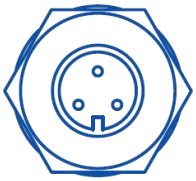
Sealing Caps

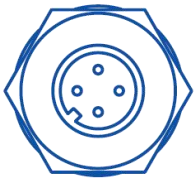


- Maintains IP68 Rating of Unmated Connectors
- Fits CWAS Series

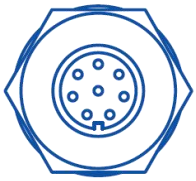



2 Contacts
(10 Amp)


3 Contacts
(8 Amp)


4 Contacts
(5 Amp)


6 Contacts
(5 Amp)


8 Contacts
(5 Amp)

Electrical Specifications:

Contacts	*Current Rating*	*Contact Resistance*	*Insulation Resistance*
2	10A/250 VAC	Initial ≤ 5 mΩ	2000 MΩ MIN. @ 500 VDC
3	8A /250 VAC	Initial ≤ 5 mΩ	2000 MΩ MIN. @ 500 VDC
4,6,8	5A /125 VAC	Initial ≤ 5 mΩ	2000 MΩ MIN. @ 500 VDC

Mechanical:

Contacts	*Insertion Force*	*Withdrawal Force*	*Operating Life*
2	19N	12N	1000 Cycles Min
3,4,6,8	25N	17N	1000 Cycles Min

Material:

Body Mouldings:	Polyamide
Flammability Rating:	UL94V-0
Contacts:	Copper alloy, Gold plated
O Rings:	Silicon Rubber

Other:

Waterproof Rating:	IP68
UL Certification No.:	**E542119**
Operating Temperature:	-40° C ~ +80° C
RoHS Compliance:	Meets RoHS Requirements

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
IEC	Designed according to	IEC 60529:2013	Degrees of protection provided by enclosures (IP Code)
IEC	Designed according to	IEC 61984:2008	Connectors — Safety requirements and tests
cULus	Designed according to	UL/cUL	Standard for Component Connectors for Use in Data, Signal, Control and Power Applications/Special Use Attachment Plugs, Receptacles and Connectors

Application standards

Application standards where the product can be used

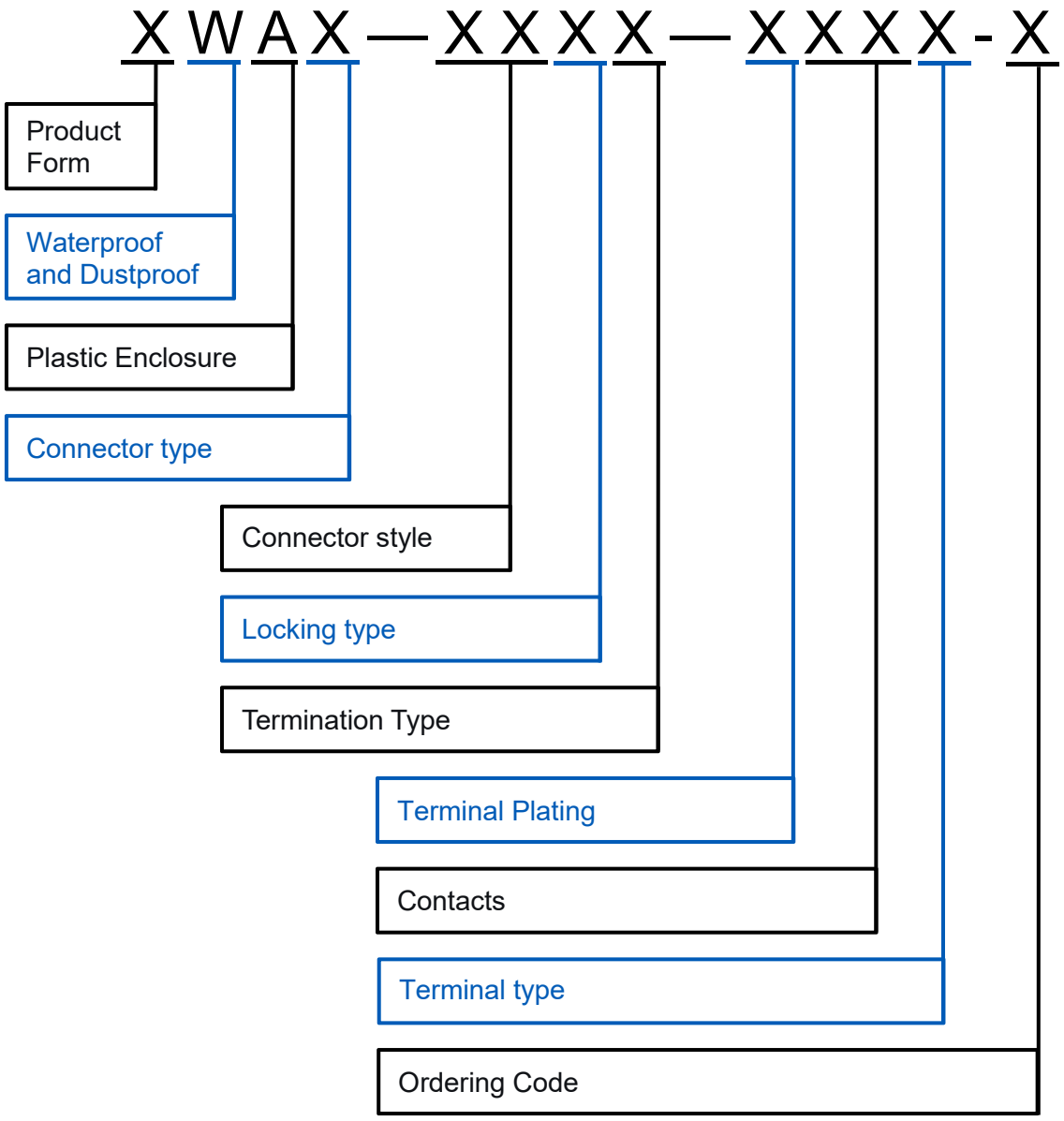
Organization	Design	Standard	Description
IEC	Suitable for	IEC 60598-1	Luminaires — Part 1: General requirements and tests

Compliances

The product complies with following Guide Lines

Organization	Details	Initiator	Description
RoHS	RoHS	CHY-TECH	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
REACH	REACH	CHY-TECH	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as"REACH") entered into force.

Product Nomenclature：



Product Form：C(circular)、R(rectangle)
Connector type：P(plug)、S(socket) 、A(accessories)
Connector style：FC(flex cable connector)、FP(front panel mounting connector)
RP(rear panel mounting connector)、AP(front or back panel mounting connector)
Locking type：B(bayonet)、T(thread)、P(push-pull)
Termination Type：C(crimp)、S(solder)、L(screw)、P(PCB through-hole)
Terminal Plating：N(nickel)、T(tin)、G(gold)
Contacts：02、03、04、06、08……
Terminal type：S(socket)、P(pin)
Ordering Code：B(with contacts)、N(without contacts)